

Docket No.  
18807-81304

# Declaration For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### DISTRIBUTED CIRCULAR GEOMETRY POWER AMPLIFIER ARCHITECTURE

the specification of which

(check one)

is attached hereto.

was filed on October 9, 2001 as United States Application No. or PCT International

Application Number 09/974,578

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

#### Prior Foreign Application(s)

Priority Not Claimed

|          |           |                        |                          |
|----------|-----------|------------------------|--------------------------|
| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> |
| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> |
| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> |

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

60/239,470                   October 10, 2000

(Application Serial No.)                   (Filing Date)

60/239,474                   October 10, 2000

(Application Serial No.)                   (Filing Date)

60/288,601                   May 4, 2001

(Application Serial No.)                   (Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, CFR Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

\_\_\_\_\_ (Application Serial No.)                   \_\_\_\_\_ (Filing Date)                   \_\_\_\_\_ (Status)  
(patented, pending, abandoned)

\_\_\_\_\_ (Application Serial No.)                   \_\_\_\_\_ (Filing Date)                   \_\_\_\_\_ (Status)  
(patented, pending, abandoned)

\_\_\_\_\_ (Application Serial No.)                   \_\_\_\_\_ (Filing Date)                   \_\_\_\_\_ (Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor  
**Ichiro Aoki**

Sole or first inventor's signature

Date

Residence  
**52 West Pamela Road, Arcadia, California 91007**

Citizenship  
**Japan**

Post Office Address  
**Same As Residence Address**

Full name of second inventor, if any  
**Seyed-Ali Hajimiri**

Second inventor's signature

Date

Residence  
**686 South Arroyo Parkway, # 33, Pasadena, California 91105**

Citizenship  
**Iran**

Post Office Address  
**Same As Residence Address**

Full name of third inventor, if any  
**David B. Rutledge**

Third inventor's signature

Date

Residence  
**1770 Orangewood Street, Pasadena, California 91106-3521**

Citizenship  
**United States of America**

Post Office Address  
**Same As Residence Address**

Full name of fourth inventor, if any  
**Scott David Kee**

Fourth inventor's signature

Date

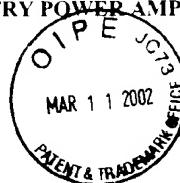
Residence  
**1831 Reiter Drive, Pasadena, California 91106**

Citizenship  
**United States of America**

Post Office Address  
**Same as Residence Address**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ichiro Aoki, Seyed-Ali Hajimiri, David B. Rutledge and Scott David Kee  
 Serial No.: 09.974,578  
 Filed on: October 9, 2001  
 Title: **DISTRIBUTED CIRCULAR GEOMETRY POWER AMPLIFIER ARCHITECTURE**  
 Group: Unassigned



## POWER OF ATTORNEY

BOX MISSING PARTS  
 Assistant Commissioner for Patents  
 Washington, DC 20231

Dear Sir or Madam:

|                                                                                                                                                                                                                                                                     |                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED<br>WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN<br>ENVELOPE ADDRESSED TO BOX MISSING PARTS, THE ASSISTANT COMMISSIONER FOR<br>PATENTS, WASHINGTON, D.C. 20231, ON <u>02/26/2002</u> |                       |
| BY                                                                                                                                                                                                                                                                  | <u>Laura A. Brown</u> |
| Laura A. Brown<br><u>02/26/2002</u>                                                                                                                                                                                                                                 |                       |
| Date of Signature                                                                                                                                                                                                                                                   |                       |

The undersigned assignee of the entire interest in the above-identified patent application hereby appoints the following attorneys and/or agents, Edward G. Poplawski, Esq., Reg. No. 33,439; Nisan A. Steinberg, Ph.D., Reg. No. 40,345, and Denise L. McKenzie, Esq., Reg. No. 43,790, members of the bar of the State of California, whose address is SIDLEY AUSTIN BROWN & WOOD, 555 West Fifth Street, Los Angeles, California 90013-1010, to prosecute and transact all business in the United States Patent and Trademark Office relating to this application.

Please send all future correspondence to:

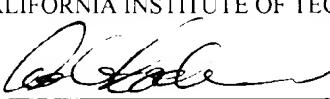
Edward G. Poplawski, Esq.  
 SIDLEY AUSTIN BROWN & WOOD  
 555 West Fifth Street  
 Los Angeles, CA 90013-1010

and direct all telephone calls to: Edward G. Poplawski at (213) 896-6601; Fax (213) 896-6600.

Respectfully submitted,

CALIFORNIA INSTITUTE OF TECHNOLOGY

Dated: FER 11 2002

  
 Adam Cochran  
 The Intellectual Property Counsel



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ichiro Aoki, Seyed-Ali Hajimiri, David B. Rutledge and Scott David Kee  
Serial No.: 09/974,578  
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Title: **DISTRIBUTED CIRCULAR GEOMETRY POWER AMPLIFIER ARCHITECTURE**  
Group Unassigned

**CERTIFICATE UNDER 37 C.F.R. 3.73(b) ESTABLISHING RIGHT OF ASSIGNEE TO PROSECUTE**

BOX MISSING PARTS  
Assistant Commissioner for Patents  
Washington, DC 20231

Dear Sir or Madam:

|                                                                                                                                                                                                                                                            |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO BOX MISSING PARTS, THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231, ON <u>02/26/2002</u> . |                       |
| BY                                                                                                                                                                                                                                                         | <u>Laura A. Brown</u> |
| Laura A. Brown<br><u>02/26/2002</u><br>Date of Signature                                                                                                                                                                                                   |                       |

**CALIFORNIA INSTITUTE OF TECHNOLOGY**

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of chain of title from the inventors, of the patent application identified above, to the current assignee as shown below:

1. From: Ichiro Aoki, Seyed-Ali Hajimiri, David B. Rutledge and Scott David Kee  
To: CALIFORNIA INSTITUTE OF TECHNOLOGY

The document is being filed herewith with the Patent and Trademark Office. A copy thereof is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: \_\_\_\_\_

Name: Adam Cochran  
Title: The Intellectual Property Counsel

Signature: Adam Cochran